

Abstract of the Disclosure

A connection system is provided for restraining a component in three orthogonal directions on a mounting surface. Pairs of first and second projections are disposed on opposing surfaces of the component symmetrically about a component axis. The first and second pairs of projections are spaced along the component axis. Two grooves are disposed on the mounting surface parallel to the axis for engagement with the projections. Each groove has a C-shaped channel on a surface facing the component, and each channel has an aperture in a location corresponding the mounting position of the component. During mounting, the projections slide within the channels until ends of the first projections engage the apertures. The connection system of the present invention restrains the component in three orthogonal directions, centers the component in its mounting location, and reduces vibration levels. The inventive connection system further provides an audible and visible indication when the component is locked in place. Further, the connection system of the present invention is lightweight and easy to disengage, allowing for quick removal of the component for replacement or repair.